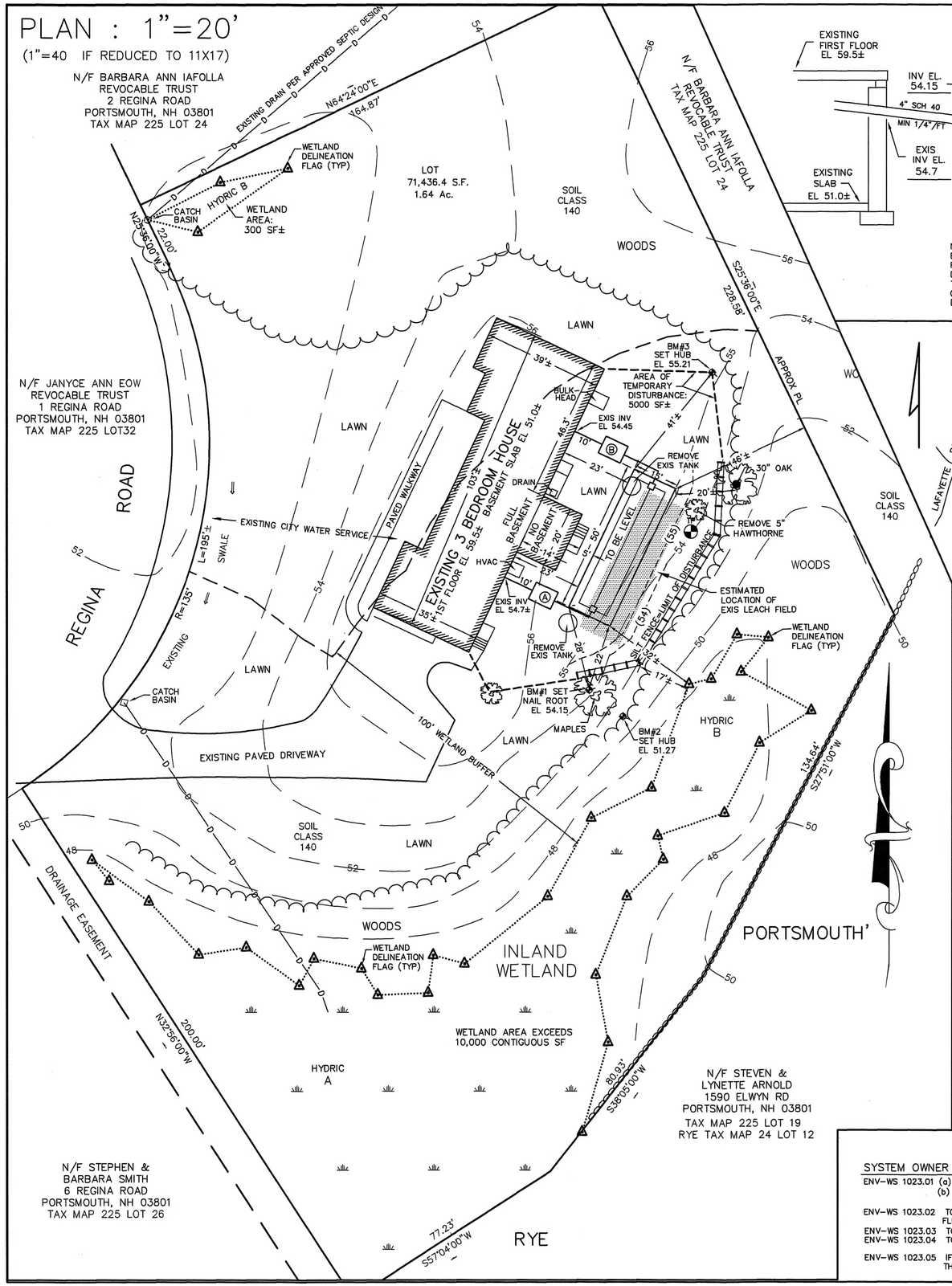
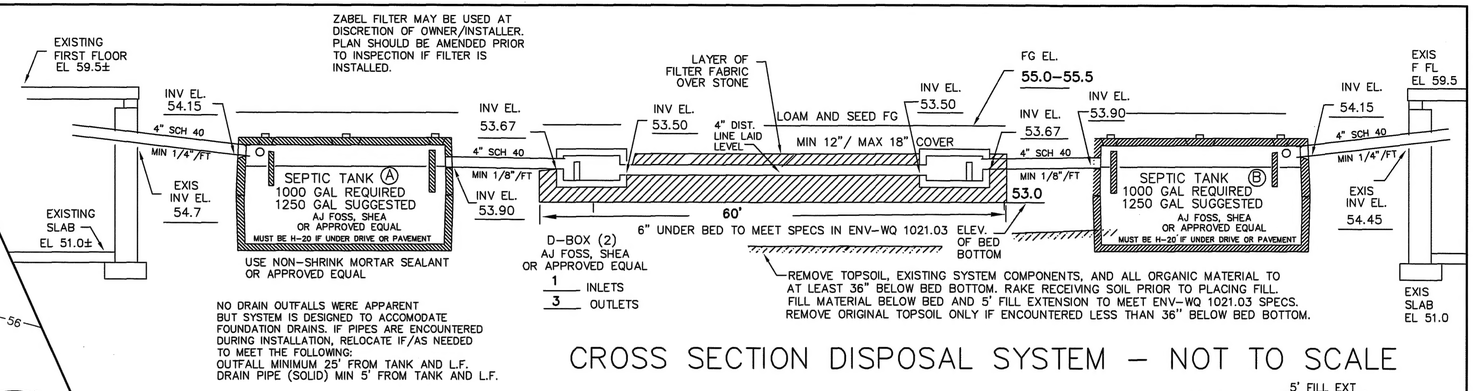
PLAN : 1"=20'

(1"=40 IF REDUCED TO 11X17)

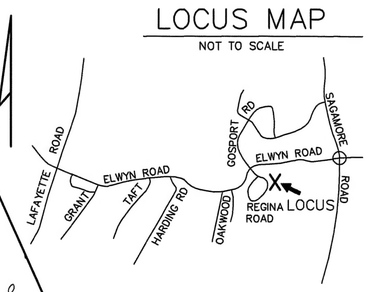




CROSS SECTION DISPOSAL SYSTEM – NOT TO SCALE

LOCUS MAP

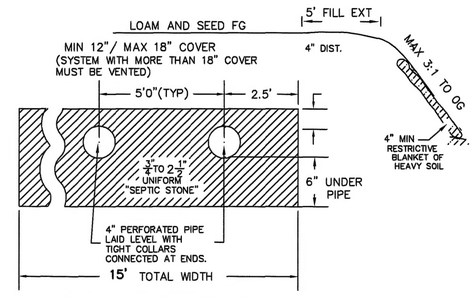
NOT TO SCALE



JURISDICTIONAL WETLAND BOUNDARY DELINEATED BY MARC JACOBS, CERTIFIED SOIL SCIENTIST
DATE OF FIELD WORK: JULY 14, 2010

NOTES:

1. THIS PLAN IS NOT TO BE CONSTRUED AS A BOUNDARY SURVEY. PROPERTY LINES SHOWN ARE APPROXIMATED BASED ON INFORMATION FROM THE FOLLOWING SOURCE: RCRD PLAN C 4606.
2. NHDES-WS&PCD SUBDIVISION APPROVAL NUMBER: N/A LOT OF RECORD 1963 (RCRD PLAN #126) LOT LINE CHANGE, NO DISPOSAL, 1974 (RCRD PLAN C4606)
3. THIS SYSTEM IS NOT DESIGNED TO HANDLE GARBAGE DISPOSAL, JACUZZI BATH, OR SEWAGE EJECTOR PUMP WASTE. BACKWASH FROM WATER SOFTENER SYSTEMS SHOULD BE DISCHARGED TO A SEPARATE DRYWELL.
4. NO HYDRIC B SOILS WITHIN 32' OF PROPOSED SYSTEM NO HYDRIC A SOILS WITHIN 75' OF PROPOSED SYSTEM. NO WELLS WITH 100' OF SYSTEM (CITY WATER)
5. DESIGNER MUST BE CONSULTED FOR ANY PROPOSED CHANGES OR ERRORS/DISCREPANCIES FOUND DURING SYSTEM INSTALLATION. (603 929-7404) INSTALLER IS RESPONSIBLE FOR ANY TOWN PERMITS OR INSPECTIONS REQUIRED FOR THIS INSTALLATION.
6. INSTALLATION SPECIFICATIONS OUTLINED IN SUBDIVISION AND INDIVIDUAL SEWAGE DISPOSAL SYSTEM DESIGN RULES (Env-Wq 1000) ARE INCLUDED AS PART OF THIS DESIGN BY REFERENCE. ANYONE WHO INSTALLS THIS SYSTEM MUST KNOW AND ADHERE TO THESE RULES.
7. SILT FENCE TO BE INSTALLED AS SHOWN PRIOR TO INSTALLATION WORK, TO BE LEFT IN PLACE UNTIL INSTALLATION IS COMPLETE AND LAWN IS RESEEDED AND STABILIZED.
8. EXISTING SYSTEM FAILURE IS EVIDENCED BY OVERFLOW DURING NORMAL PEAK USE. AT ONE END OF SYSTEM D-BOX WAS TOO DEEP AND PLUGGED. EXISTING LEACH LINES EXPOSED DURING TEST PIT SHOWED ANAEROBIC FAILURE AND WERE 3'+ BELOW EXISTING GRADE.
9. REMOVED EXISTING SYSTEM COMPONENTS AND ASSOCIATED ORGANIC MATERIAL TO BE DISPOSED OF OFF-SITE IN COMPLIANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS..



STONE TO MEET SPECIFICATIONS OUTLINED IN ENV-WQ 1016.04

TP TEST PIT DATA

DATE: JULY 2, 2010

TEST PIT ELEVATION: 54.0±

0 –4"	10YR4/4 FINE SANDY LOAM TOPSOIL
4 –30"	10YR5/4 FINE SANDY LOAM, GRANULAR FRIABLE
30–56"	10YR4/4 TO 4/6 GRAVELLY SAND FILL
56–64"	ORIGINAL TOPSOIL
64–74"	10YR3/6 FINE SANDY LOAM, GRAN FRIABLE (ORIGINAL SUBGRADE)
74–78"	2.5Y5/4 SILTY FINE SANDY LOAM, MASSIVE, RESTRICTIVE

ESHWT @ 74", ROOTS TO 6'+, NO OBSERVED WATER, NO REFUSAL

PERC RATE:	2 MIN/IN AT 30" DEPTH
DESIGN LOADING:	EXISTING 3 BEDROOM HOUSE
AREA REQUIRED:	560 SQUARE FEET
AREA PROPOSED:	15' X 50' = 750 SF PROVIDED

BENCH MARKS: DATUM = ASSUMED

#1 SET NAIL ROOT ELEV 54.15
#2 SET HUB ELEV 51.27
#3 SET HUB ELEV 55.21

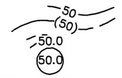
DESIGN INTENT:

1. THE BOTTOM OF THE EFFLUENT DISPOSAL SYSTEM SHALL BE CONSTRUCTED AT ELEVATION 53.0
WHICH IS APPROX 2.5 BELOW EXISTING GRADE ON THE HIGH CONTOUR THE DESIGNED EDS (EL 55.5)

SUITABLE REPLACEMENT AREA:

SYSTEM MUST BE REBUILT IN PLACE OR REDESIGNED.

LEGEND:



EXISTING CONTOUR
PROPOSED CONTOUR
EXISTING SPOT ELEVATION
PROPOSED SPOT ELEVATION

SOIL CLASS: 140 (CHATFIELD-HOLLIS-CANTON)
(PER USDA-SCS SOIL SURVEY)

SYSTEM OWNER IS RESPONSIBLE FOR THE FOLLOWING OPERATING REQUIREMENTS

ENV-WS 1023.01 (a) SEPTIC TANKS SHALL BE INSPECTED FOR ACCUMULATION OF SLUDGE AND SURFACE SCUM AT LEAST ONCE EVERY YEAR.
(b) WHEN THE COMBINED THICKNESS OF SLUDGE AND SURFACE SCUM EQUAL 1/3 OR MORE OF THE TANK DEPTH, THE TANK SHALL BE PUMPED BY A LICENSED SEPTIC TANK PUMPER.
ENV-WS 1023.02 TO PREVENT OBSTRUCTION OF THE DISTRIBUTION LINES AND LEACH FIELD, GREASE AND BULKY WASTE SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.
ENV-WS 1023.03 TOXIC AND HAZARDOUS MATERIALS SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.
ENV-WS 1023.04 TO PREVENT DAMAGE TO THE DISTRIBUTION LINES AND LEACH FIELD, VEHICLES, LIVESTOCK, AND OTHER HEAVY OBJECTS SHALL NOT BE ALLOWED ON THE LEACH FIELD.
ENV-WS 1023.05 IF WET AREAS APPEAR ON THE GROUND SURFACE ABOVE THE DISTRIBUTION LINES OR LEACH FIELD OR IF DISAGREEABLE ODORS OCCUR, THE SYSTEM SHALL BE INSPECTED FOR THE SOURCE OF THESE PROBLEMS, AND CORRECTIVE ACTION SHALL BE TAKEN.

PROPOSED REPLACEMENT

SEPTIC SYSTEM PLAN

EXISTING FAILED SYSTEM

LOCUS:	4 REGINA ROAD
	PORTSMOUTH, NH
	TAX MAP 225 LOT 25
OWNER:	MORGAN SZE
	4 REGINA ROAD
	PORTSMOUTH, NH 03801

NEW HAMPSHIRE Designer
Subsurface Disposal
Anne W. Grabarzeski No. 348
Department of Environmental Services

APPLICANT:
STOCKTON SERVICES
PO BOX 1306
HAMPTON, NH 03843-1306
603 929-7404

DATE: JULY 22, 2010

APPROVAL: CA2010101735

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